

R Hayes

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RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/928,074

1645

#7

DATE: 04/28/98  
TIME: 13:07:37

INPUT SET: S25314.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

- 1
- 2
- 3 (1) General Information
- 4
- 5 (i) APPLICANT: O'Brien, John S.
- 6
- 7 (ii) TITLE OF THE INVENTION: METHODS FOR ALLEVIATING NEUROPATHIC PAIN
- 8
- 9 (iii) NUMBER OF SEQUENCES: 24
- 10
- 11 (iv) CORRESPONDENCE ADDRESS:
- 12 (A) ADDRESSEE: Fish & Richardson P.C.
- 13 (B) STREET: 4225 Executive Square, Suite 1400
- 14 (C) CITY: La Jolla
- 15 (D) STATE: CA
- 16 (E) COUNTRY: US
- 17 (F) ZIP: 92037
- 18
- 19 (v) COMPUTER READABLE FORM:
- 20 (A) MEDIUM TYPE: Diskette
- 21 (B) COMPUTER: IBM Compatible
- 22 (C) OPERATING SYSTEM: Windows95
- 23 (D) SOFTWARE: FastSEQ for Windows Version 2.0
- 24
- 25 (vi) CURRENT APPLICATION DATA:
- 26 (A) APPLICATION NUMBER: 08/928,074
- 27 (B) FILING DATE: 11-SEP-1997
- 28
- 29 (vii) PRIOR APPLICATION DATA:
- 30 (A) APPLICATION NUMBER: 08/611,307
- 31 (B) FILING DATE: 05-MAR-1996
- 32
- 33 (vii) PRIOR APPLICATION DATA:
- 34 (A) APPLICATION NUMBER: PCT/US97/04143
- 35 (B) FILING DATE: 05-MAR-1996
- 36
- 37 (viii) ATTORNEY/AGENT INFORMATION:
- 38 (A) NAME: Haile, Ph.D., Lisa A.
- 39 (B) REGISTRATION NUMBER: 38,347
- 40 (C) REFERENCE/DOCKET NUMBER: 07256/024001
- 41
- 42 (ix) TELECOMMUNICATION INFORMATION:
- 43 (A) TELEPHONE: 619/678-5070
- 44 (B) TELEFAX: 619/678-5099
- 45
- 46

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47 (2) INFORMATION FOR SEQ ID NO:1:

48 (i) SEQUENCE CHARACTERISTICS:

49 (A) LENGTH: 22 amino acids

50 (B) TYPE: amino acid

51 (D) TOPOLOGY: linear

52 (ii) MOLECULE TYPE: peptide

53 (v) FRAGMENT TYPE: internal

54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

55 Cys Glu Phe Leu Val Lys Glu Val Thr Lys Leu Ile Asp Asn Asn Lys  
56 1 5 10 1557 Thr Glu Lys Glu Ile Leu  
58 20

59 (2) INFORMATION FOR SEQ ID NO:2:

60 (i) SEQUENCE CHARACTERISTICS:

61 (A) LENGTH: 14 amino acids

62 (B) TYPE: amino acid

63 (D) TOPOLOGY: linear

64 (ii) MOLECULE TYPE: peptide

65 (ix) FEATURE:

66 (B) LOCATION: 2...2

67 (D) OTHER INFORMATION: Ala at position 2 is a D-enantiomer

68 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

69 Thr Ala Leu Ile Asp Asn Asn Ala Thr Glu Glu Ile Leu Tyr  
70 1 5 10

71 (2) INFORMATION FOR SEQ ID NO:3:

72 (i) SEQUENCE CHARACTERISTICS:

73 (A) LENGTH: 12 amino acids

74 (B) TYPE: amino acid

75 (D) TOPOLOGY: linear

76 (ii) MOLECULE TYPE: peptide

77 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

78 Leu Ile Asp Asn Asn Lys Thr Glu Lys Glu Ile Leu  
79 1 5 10

80 (2) INFORMATION FOR SEQ ID NO:4:

81 (i) SEQUENCE CHARACTERISTICS:

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100 (A) LENGTH: 22 amino acids  
101 (B) TYPE: amino acid  
102 (D) TOPOLOGY: linear  
103  
104 (ii) MOLECULE TYPE: peptide  
105  
106 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
107 Cys Gln Phe Val Met Asn Lys Phe Ser Glu Leu Ile Val Asn Asn Ala  
108 1 5 10 15  
109 Thr Glu Glu Leu Leu Tyr  
110 20  
111  
112 (2) INFORMATION FOR SEQ ID NO:5:  
113  
114 (i) SEQUENCE CHARACTERISTICS:  
115 (A) LENGTH: 21 amino acids  
116 (B) TYPE: amino acid  
117 (D) TOPOLOGY: linear  
118  
119 (ii) MOLECULE TYPE: peptide  
120  
121 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
122  
123 Cys Gln Leu Val Asn Arg Lys Leu Ser Glu Leu Ile Ile Asn Asn Ala  
124 1 5 10 15  
125 Thr Glu Glu Leu Leu  
126 20  
127  
128 (2) INFORMATION FOR SEQ ID NO:6:  
129  
130 (i) SEQUENCE CHARACTERISTICS:  
131 (A) LENGTH: 22 amino acids  
132 (B) TYPE: amino acid  
133 (D) TOPOLOGY: linear  
134  
135 (ii) MOLECULE TYPE: peptide  
136  
137 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
138  
139 Cys Glu Tyr Val Val Lys Lys Val Met Leu Leu Ile Asp Asn Asn Arg  
140 1 5 10 15  
141 Thr Glu Glu Lys Ile Ile  
142 20  
143  
144 (2) INFORMATION FOR SEQ ID NO:7:  
145  
146 (i) SEQUENCE CHARACTERISTICS:  
147 (A) LENGTH: 22 amino acids  
148 (B) TYPE: amino acid  
149 (D) TOPOLOGY: linear  
150  
151  
152

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153 (ii) MOLECULE TYPE: peptide  
154  
155 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
156 Cys Glu Phe Val Val Lys Glu Val Ala Lys Leu Ile Asp Asn Asn Arg  
157 1 5 10 15  
158 Thr Glu Glu Glu Ile Leu  
159 20  
160  
161 (2) INFORMATION FOR SEQ ID NO:8:  
162  
163 (i) SEQUENCE CHARACTERISTICS:  
164 (A) LENGTH: 22 amino acids  
165 (B) TYPE: amino acid  
166 (D) TOPOLOGY: linear  
167  
168 (ii) MOLECULE TYPE: peptide  
169  
170 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
171 Cys Glu Phe Leu Val Lys Glu Val Thr Lys Leu Ile Asp Asp Asn Lys  
172 1 5 10 15  
173 Thr Glu Lys Glu Ile Leu  
174 20  
175  
176 (2) INFORMATION FOR SEQ ID NO:9:  
177  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 14 amino acids  
180 (B) TYPE: amino acid  
181 (D) TOPOLOGY: linear  
182  
183 (ii) MOLECULE TYPE: peptide  
184  
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
186 Thr Lys Leu Ile Asp Asn Asp Lys Thr Glu Lys Glu Ile Leu  
187 1 5 10  
188  
189 (2) INFORMATION FOR SEQ ID NO:10:  
190  
191 (i) SEQUENCE CHARACTERISTICS:  
192 (A) LENGTH: 14 amino acids  
193 (B) TYPE: amino acid  
194 (D) TOPOLOGY: linear  
195  
196 (ii) MOLECULE TYPE: peptide  
197  
198 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:  
199 Thr Lys Ser Ile Asp Asn Asn Lys Thr Glu Lys Glu Ile Leu  
200  
201  
202  
203  
204  
205

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206 1 5 10  
207  
208 (2) INFORMATION FOR SEQ ID NO:11:  
209  
210 (i) SEQUENCE CHARACTERISTICS:  
211 (A) LENGTH: 20 amino acids  
212 (B) TYPE: amino acid  
213 (D) TOPOLOGY: linear  
214  
215 (ii) MOLECULE TYPE: peptide  
216  
217 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:  
218  
219 Tyr Val Lys His Gln Gly Leu Asn Lys Asn Ile Asn Leu Asp Ser Val  
220 1 5 10 15  
221 Asp Gly Val Pro  
222 20  
223  
224  
225 (2) INFORMATION FOR SEQ ID NO:12:  
226  
227 (i) SEQUENCE CHARACTERISTICS:  
228 (A) LENGTH: 15 amino acids  
229 (B) TYPE: amino acid  
230 (D) TOPOLOGY: linear  
231  
232 (ii) MOLECULE TYPE: peptide  
233  
234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:  
235  
236 Glu Ala Leu Ala Glu Asn Asn Leu Asn Leu Pro Lys Met Ala Gly  
237 1 5 10 15  
238  
239  
240 (2) INFORMATION FOR SEQ ID NO:13:  
241  
242 (i) SEQUENCE CHARACTERISTICS:  
243 (A) LENGTH: 17 amino acids  
244 (B) TYPE: amino acid  
245 (D) TOPOLOGY: linear  
246  
247 (ii) MOLECULE TYPE: peptide  
248  
249 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:  
250  
251 Leu Gln Met Ile Leu Asn Gly Ile Asn Asn Tyr Lys Asn Pro Lys Leu  
252 1 5 10 15  
253 Thr  
254  
255  
256  
257 (2) INFORMATION FOR SEQ ID NO:14:  
258

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/928,074**

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*INPUT SET: S25314.raw*

Line

Error

Original Text